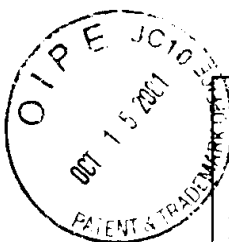


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants: Bennett, et al.

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Title: *Decreasing the Effects of Linear Birefringence in a Fiber-Optic Sensor by Use of Berry's Topological Phase*

Group Art Unit: 2877

Commissioner for Patents
Washington, DC 20231

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1871-1872

Tobin R. Skinner

PRELIMINARY AMENDMENT

Pursuant to 37 C.F.R. 1.121(b)(1), please replace the following paragraphs in the specification with the following replacement paragraphs. A marked-up version of the specification is provided following the replacement paragraphs. The replacement paragraphs clarify the application by correcting typographical and grammatical errors and by correcting inconsistencies in the specification. The replacement paragraphs contain no new matter.

Replacement Paragraphs in Specification:

Replace paragraph beginning on page 4, line 5 with the following:

Using the above relations allows the fabrication of Faraday-effect sensing coils